

ADDITIONS TO THE MICROLEPIDOPTEROUS  
FAUNA OF THE ISLES OF CANNA AND SANDAY,  
INNER HEBRIDES

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In July 1979 we were able to visit Canna and Sanday with the kind invitation of John L. Campbell, in order to record microlepidoptera. J. D. Bradley has already assembled a good list (Bradley 1958) following a visit to the Island in 1956, and John Campbell himself has very adequately covered the macrolepidoptera (Campbell 1970, 1972, 1975 and several short notes). As well as this there are various other records available, all of which were kindly provided for us by E. C. Pelham-Clinton, and the purpose of this article is to bring all these additional records together, so as to update fully the list of microlepidoptera.

For our visit the weather was predictably poor, most of the days being dominated by a fine, drenching rain and mist. However, two days were fine and the scene was transformed to the vivid colours for which these verdant, basaltic islands are so justly renowned.

The additional records provided by E. C. Pelham-Clinton fall into several categories. There are those recorded by E. C. Pelham-Clinton during a visit in September 1969; those sent as specimens or records by J. L. Campbell to E. C. Pelham-Clinton; those from J. L. Campbell's collection which were mostly identified by E. C. Pelham-Clinton and a few recorded in a letter from J. D. Bradley to J. L. Campbell in 1956. These sources are indicated in the list of species as: 1969 (E.C. P-C.); (J.L.C. to E.C. P-C.); (J.L.C.) and (J. D. B. to J. L. C.) respectively. All other records are our own.

None of the species recorded here are especially rare, except perhaps *Scobipalpa clintoni*, which may be greatly under-recorded, but a very interesting feature is the many species associated with trees. Many of these may be recent arrivals as the island had few trees until J. L. Campbell began to plant more in the 1940's and 1950's. The vegetation of the islands is well described by Campbell (1970).

It is clear that many species which must certainly be present have not yet been found. Some families, such as the Nepticulidae or Coleophoridae, are very underworked and there remains much scope for useful work on the moths of these charming and interesting islands.

Species List (Nomenclature after Bradley and Fletcher 1979).

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## Nepticulidae

*Stigmella salicis* Stt. One mine on *Salix atrocinnerea* 8.9.1969 (E.C. P-C.).

## Tineidae

*Nemapogon cloacella* Haw. 7.1979 A singleton near Tighard.

*Tinea semifulvella* Haw. 1969 (J. L. C. to E. C. P-C.).

## Gracillariidae

*Caloptilia elongella* L. Mines on *Alnus glutinosa* leaves in plantation near Tighard. Moths reared in September 1979.

*C. syringella* Fabr.: A few mines on *Fraxinus* 7.9.1969 (E.C.P-C.).

## Yponomeutidae

*Yponomeuta evonymella* L.: 1970 (J.L.C.).

*Ypsolopha vittella* L.: 1970 (J.L.C.).

*Prays fraxinella* Bjerck: Moths near Tighard disturbed from *Fraxinus* 7.1979.

*Argyresthia conjugella* Zell.: A few moths near Tighard.

## Coleophoridae

*Coleophora potentillae* Elisha: A few cases on *Potentilla erecta* 7.9.1969 (E.C.P-C.).

*C. striatipennella* Tengstrom: A single moth taken (7.1979) confirmed by genitalic examination.

## Oecophoridae

*Depressaria daucella* D & S. A few larvae present in flower heads of *Oenanthe crocata* 7.1979, Sanday. Moths subsequently reared 9.1979.

*D. pastinacella* Dup. 1970 (J.L.C.): larvae found in flower heads of *Heracleum*. 7.1979.

*Agonopterix heracliana* L.: Larvae in *Anthriscus* leaves (7.1979).

*A. ciliella* Stt. 1969 (J. L. C. to E.C.P.-C.): Larvae found locally in leaves of *Angelica sylvestris* on the far western shore of Canna (7.1979).

*A. subpropinquella* Stt. Larvae on leaves of *Cirsium vulgare* on Canna and Sanday 7.1979. A few moths reared in 8.1979.

*A. nervosa* Haw. Single moth 7.9.1969 (E.C.P.-C): 1975 (J.L.C. to E.C.P.-C.): Larvae found in some numbers on *Ulex* 8.1979.

*A. yeatiana* Fabr. 1956 (J.B.D. to J. L. C.): We searched *Daucus carota* but failed to find any larvae of this species or other Oecophoridae.

## Gelechiidae

*Scrobilpalpa clintoni* Pov. 2 pupae in stems of *Rumex crispus* Sanday 8.9.1969 (E.C. P-C.).

## Momphidae

*Blastodacna hellerella* Dup. Single moth in light trap. 6.1971 (J.L.C. to E. C. P-C.).

## Cochyliidae

*Aethes piercei* Obraz. 1969 (J.L.C. to E.C. P-C.). This species is now recorded for the first time. J. D. Bradley recorded *A. hartmanniana* (Clerck) in 1958, but subsequently noted that all Scottish records are unconfirmed and may refer to *A. piercei* (Bradley, Tremewan and Smith 1973).

## Tortricidae

- Pandemis cerasana* Hb. 1969 (J.L.C. to E.C.P-C.).  
*P. heparana* D. & S. 1969 (J.L.C. to E.C.P-C.).  
*Archips rosana* L. 1975 (J.L.C. to E.C.P-C.): Larvae abundant near Tighard on *Rosa* and *Malus* 7.1979.  
*Pseudargyrotoza conwagana* Fabr.: 1969 (J.L.C. to E.C.P-C.).  
*Tortrix viridana* L. 1969 (J. L. C. to E.C. P-C.): 2 moths in light trap 18.7.1956 (J. L. C. to E. C. P-C.).  
*Acleris laterana* Fabr. 1969 (J. L. C. to E. C. P-C.).  
*A. sparsana* D. & S. 1956 (J. B. D. to J. L. C.): 1969 (J. L. C. to E. C. P-C.). Larvae common in spun leaves of *Acer pseudo-platanus* around Tighard 7.1979.  
*A. rhombana* D. & S. 1975 (J. L. C. to E. C. P-C.).  
*A. aspersana* Hb.: 1975 (J. L. C. to E. C. P-C.). Moths were bred from larvae found on *Salix repens* on Sanday 7.1979.  
*A. variegana* D. & S.: 1975 (J.L.C. to E.C.P-C.). Moths were bred from *Malus* 7.1979 at Tighard.  
*Bactra furfurana* Haw.: A few moths seen on Sanday 7.1979 amongst its foodplant *Eleocharis*.  
*Epinotia tenerana* D. & S.: A few moths disturbed from alder plantation near Tighard 7.1979.  
*E. immundana* F. v. R. One moth 7.9.1969 (E.C.P-C.). Larvae common on *Alnus glutinosa* and a single moth bred from *Rosa*, Tighard 7.1979.  
*Zeiraphera diniana* Guen. 1973 (J. L. C. to E.C.P.C.).  
*Epiblema uddmanniana* L. 1970 (J. L. C.).  
*E. scutulana* D. & S. 1969 (J. L. C. to E.C. P-C.).  
*E. costipunctana* Haw.: Single moth seen on Sanday 7.1979.  
*Pammene regiana* Zell.: 1969 (J.L.C. to E.C.P-C.).  
*Cydia gallicana* Guen.: A single moth at rest on flower of *Daucus carota* on the western shore of Canna and one similarly on Sanday.  
*C. aurana* Fabr.: A few moths on Sanday 7.1979.  
*Dichrorampha petiverella* L.: Seen on Sanday 7.1979.

## Alucitidae

*Alucita hexadactyla* L.: 1956 (J.D.B. to J.L.C.).

## Pyralidae

- Crambus nemorella* Hb.: 1969 (J.L.C. to E.C.P-C.): Also 7.1979 on Sandy and Canna.  
*C. geniculea* Haw.: 1975 (J.L.C. to E.C.P-C.).  
*Catoptria margaritella* D. & S.: 1970 (J.L.C.).

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- Scoparia pyralella* D. & S.: Single moth at rest on a wall in Canna 7.1979.
- Eudonia mercurella* L.: 1975 (J.L.C. to E.C.P-C.).
- Evergestis forficalis* L.: 1969 (J.L.C. to E.C.P-C.).
- Eurrhynx hortulata* L.: One moth 13.7.1971 (J. L.C. to E.C.P-C.).
- Udea ferrugalis* Hb.: 13 moths in light trap 20.10.1969 (J.L.C. to E.C.P-C.).
- Nomophila noctuella* D. & S.: 40 moths in trap 20.10.1969 (J.L.C. to E.C.P-C.): one 1975 (J.L.C. to E.C.P-C.). These last two species are migratory, and have no residential status.
- Aphomia sociella* L.: 1970 (J.L.C.).
- Pyla fusca* Haw.: 1970 (J.L.C.).
- Dioryctria abietella* D. & S.: 1969 (J.L.C. to E.C.P-C.).

## Pterophoridae

- Platyptilia gonodactyla* D. & S.: 1970 (J.L.C.).
- Stenoptilia pterodactyla* L.: 1975 (J.L.C. to E.C.P-C.).

This list of fifty seven species of microlepidoptera can now be added to the sixty five recorded by J. D. Bradley, bringing the total to one hundred and twenty two.

## Acknowledgements

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SATURNIA PAVONIA (L.) ON POTENTILLA PALUSTRIS (L.) SCOP.—In response to the query raised by K. Porter concerning foodplants of *Saturnia pavonia* (*Ent. Rec.* **92**, 175) I would like to report finding final instar larvae of *S. pavonia* feeding on *Potentilla palustris* (marsh cinquefoil) near New Galloway, Kirkcudbrightshire in the summer of 1979. At home I successfully transferred the larvae on to garden rose.—DR. P. D. HULME, 10 Nethermains Rd., Muchalls, Kincardineshire.